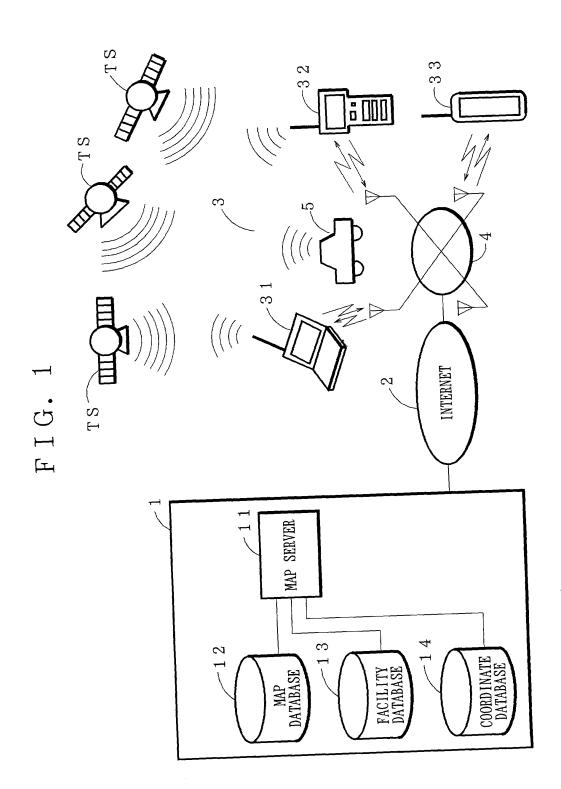
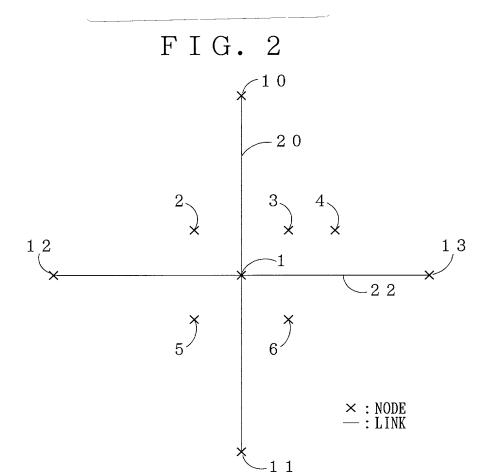
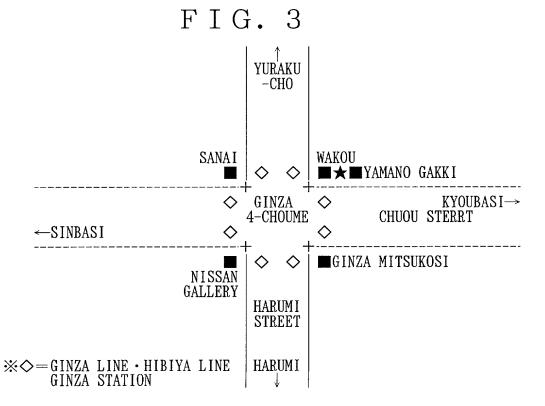
NAKANO Q65341
SERVER, METHOD AND PROGRAM FOR UPDATING ROAD
INFORMATION IN MAP INFORMATION PROVIDING SYSTEM,
AND RECORDING MEDIUM WITH PROGRAM RECORDED
Filed July 6, 2001
Darryl Mexic 202-293-7060
1 of 7







F I G. 4 A

NODE TABLE

NODE NO.	LATITUDE	LONGITUDE	
NODE NO.	LATITODE LONGTION		
1	x 1	у 1	
2	x 2	у 2	
3	x 3	у 3	
4	x 4	у 4	
5	x 5	у 5	
6	x 6	у 6	
1 0	x 1 0	у 10	
1 1	x 1 1	у 1 1	
12	x 1 2	у 1 2	
1 3	x 1 3	у 1 3	

F I G. 4 B

LINK TABLE

LINK POSITION INFORMATION		ATTRIBUTE			
LINK NO.	STARTING POINT	ENDING POINT	LENGTH	NUMBER OF LANES	ONE-WAY TRAFFIC
2 0	1 0	1 1	15.3	3	
2 2	1 2	1 3	20.4	3	

NAKANO Q65341
SERVER, METHOD AND PROGRAM FOR UPDATING ROAD
INFORMATION IN MAP INFORMATION PROVIDING SYSTEM,
AND RECORDING MEDIUM WITH PROGRAM RECORDED
Filed July 6, 2001
Darryl Mexic 202-293-7060
4 of 7

F I G. 5 A

OBJECT INFORMATION TABLE

NAME	GENRE	LATITUDE	LONGITUDE	ADDRESS	TEL
SANAI	STORE	x 2	у 2	000	$\times \times \times$
WAKOU	STORE	x 3	у3	000	×××
YAMANO GAKKI		x 4	y 4	000	×××
NISSAN GALLERY		x 5	у 5	000	$\times \times \times$
GINZA MITSUKOSI		x 6	у 6	000	$\times \times \times$

FIG. 5B

AREA NAME TABLE

AREA NAME	NODE NO.	RINK NO.	
CHUOU STREET	2、3、4、…	2 2	
SINBASI	1 2		
KYOUBASI	1 3		
GINZA 4-CHOUME	1		
HARUMI	1 1		
HARUMI STREET	1	2 0	

NAKANO Q65341
SERVER, METHOD AND PROGRAM FOR UPDATING ROAD
INFORMATION IN MAP INFORMATION PROVIDING SYSTEM,
AND RECORDING MEDIUM WITH PROGRAM RECORDED
Filed July 6, 2001
Darryl Mexic 2022-293-7060
5 of 7

F I G. 6 A

TEXT CONVERSION TABLE

TEXT (SYMBOL)
/
+
×
♦

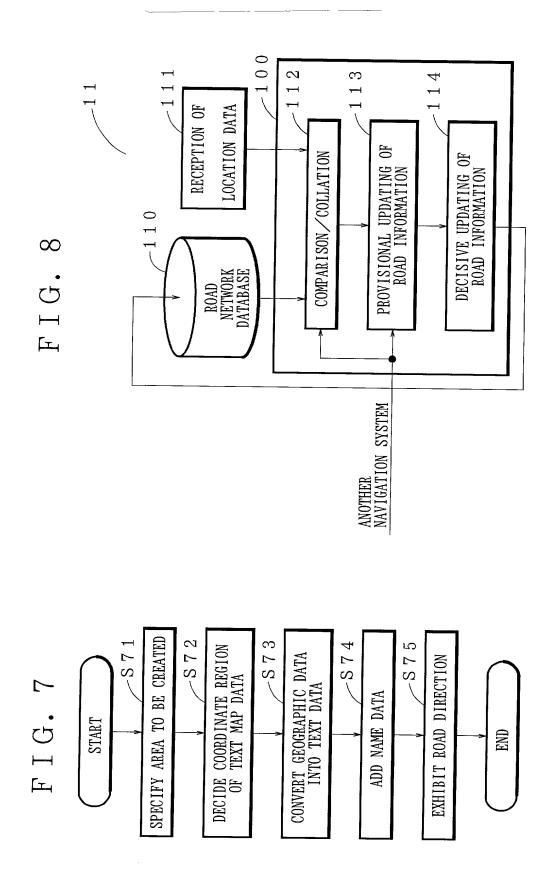
F I G. 6 B

TEXT MAP DATA

X-COORDINATES	Y-COORDINATES	TEXT SYMBOL
X 5 0	Y 2	
X 5 0	Y 3	
X 4 5	Y 4 5	
X 5 5	Y 4 5	
X 4 7	Y 4 3	+

1

NAKANO Q65341
SERVER, METHOD AND PROGRAM FOR UPDATING ROAD
INFORMATION IN MAP INFORMATION PROVIDING SYSTEM,
AND RECORDING MEDIUM WITH PROGRAM RECORDED
Filed July 6, 2001
Darryl Mexic 202-293-7060
6 of 7



NAKANO Q65341
SERVER, METHOD AND PROGRAM FOR UPDATING ROAD
INFORMATION IN MAP INFORMATION PROVIDING SYSTEM,
AND RECORDING MEDIUM WITH PROGRAM RECORDED
Filed July 6, 2001
Darryl Mexic 202-293-7060
7 of 7

FIG. 9

